Amendments to the Claims:

This listing of claims will replace all prior versions and listing of claims in the application.

Listing of Claims:

1. (currently amended) An address translator to be coupled to a first network conforming to a first addressing system, and to be coupled to a second network conforming to a second addressing system, said address translator comprising:

an address translating unit which translates, in a Layer 3 region of communication data, a Layer 3 address of the first addressing system into a Layer 3 address of the second addressing system, or translates, in a Layer 3 region of communication data, a Layer 3 address of the second addressing system into a Layer 3 address of the first addressing system; ~~and~~

a detecting unit which detects that the communication data conforms to a particular protocol based on a port number contained in a header corresponding to a Layer 4 region of the communication data; ~~and~~

a creating unit which creates translation information including a correspondence relationship between the Layer 3 address of the first addressing system and the Layer 3 address of the second addressing system for translating a Layer 3 address contained in a region of the communication data higher than the Layer 3 region, when the detecting unit detects that the communication data conforms to the particular protocol, and

communicating means for communicating with a server device,

wherein said address translator sends said translation information and the region of the communication data higher than the Layer 3 region to said server device, and receives information including said Layer 3 address described in the region of the communication data higher than the Layer 3 region which has been translated by said server device, and

wherein at least a portion of the region of the communication data higher than the Layer 3 region is described by Session Initiation Protocol (SIP) and includes the Layer 3 address.

2. (canceled).

3. (previously presented) The address translator according to claim 1, further comprising:

a processing part for translating said Layer 3 address described in the region of the communication data higher than the Layer 3 region.

4-19. (canceled).

20. (currently amended) The address translator according to claim 2, wherein said region of the communication data higher than the Layer 3 region

comprises a parameter which requires translation of the region of the communication data higher than the Layer 3 region.

21. (previously presented) The address translator according to claim 20, wherein said address translator sends the region of the communication data higher than the Layer 3 region with a tag added to said parameter by said address translator,

wherein said server device extracts the parameter which requires the translation from the region of the communication data higher than the Layer 3 region based on said tag which requires the translation of the region of the communication data higher than the Layer 3 region.

22. (previously presented) The address translator according to claim 1, wherein in case of that the first addressing system is Internet Protocol Version 4 (IPv4), the second addressing system is Internet Protocol Version 6 (IPv6), and

wherein in case of that the first addressing system is IPv6 and the second addressing system is IPv4.

23-24. (canceled).

25. (currently amended) An address translating system comprising:

an address translator; and

a server device, which is connected to a first network conforming to a first address system and a second network conforming to a second addressing system,

wherein the address translator comprises:

an address translating unit which translates, in a Layer 3 region of communication data, a Layer 3 address of the first addressing system into a Layer 3 address of the second addressing system, or translates, in a Layer 3 region of communication data, a Layer 3 address of the second addressing system into a Layer 3 address of the first addressing system; ~~and~~

a detecting unit which detects that the communication data conforms to a particular protocol based on a port number contained in a header corresponding to a Layer 4 region of the communication data; ~~and~~

a creating unit which creates translation information including a correspondence relationship between the Layer 3 address of the first addressing system and the Layer 3 address of the second addressing system for translating a Layer 3 address contained in a region of the communication data higher than the Layer 3 region, when the detecting means detects that the communication data conforms to the particular protocol, and

communicating means for communicating with the server device,

wherein the address translator sends the translation information and the region of the communication data higher than the Layer 3 region to the server device, and receives information including the Layer 3 address described in the

region of the communication data higher than the Layer 3 region which has been translated by the server device, and

wherein at least a portion of the region of the communication data higher than the Layer 3 region is described by Session Initiation Protocol (SIP) and includes the Layer 3 address.

26. (canceled).

27. (previously presented) The address translating system according to claim 26, wherein the server device receives the translation information and the region of the communication data higher than the Layer 3 region from the address translator, and translates the Layer 3 address conforming to the first addressing system described in the region of the communication data higher than the Layer 3 region to a Layer 3 address conforming to the second addressing system based on the translation information, and sends information including the Layer 3 address described in the region of the communication data higher than the Layer 3 region which has been translated by the server device.

28. (currently amended) The address translating system according to claim 25, wherein the region of the communication data higher than the Layer 3 region, which is sent from the address translator to the server device, comprises:

a parameter which requires translation of the region of the communication data higher than the Layer 3 region of the communication data.

29. (previously presented) The address translating system according to claim 28, wherein the address translator sends the region of the communication data higher than the Layer 3 region with a tag added to the parameter which requires the translation of the region of the communication data higher than the Layer 3 region,

wherein the server device extracts the parameter which requires the translation from the region of the communication data higher than the Layer 3 region based on the tag.

30. (previously presented) The address translating system according to claim 25, wherein in the case of that the first addressing system is Internet Protocol Version 4 (IPv4), the second addressing system is Internet Protocol Version 6 (IPv6), and

wherein in the case of that the first addressing system is IPv6, the second addressing system is IPv4.

31. (previously presented) The address translating system according to claim 25, wherein the particular protocol is a Session Initiation Protocol (SIP).

32. (previously presented) The address translator according to claim 1, wherein the port number is described in a Transport layer as Layer 4.

33. (previously presented) The address translator according to claim 1, wherein the port number is described by Transmission Control Protocol (TCP) as Layer 4.

34. (previously presented) The address translator according to claim 1, wherein the port number is described by User Datagram Protocol (UDP) as Layer 4.

35. (previously presented) The address translator according to claim 1, wherein the port number is an identifier indicating that the region of the communication data higher than the Layer 3 region is described by Session Initiation Protocol (SIP).

36. (previously presented) The address translator according to claim 1, wherein at least a portion of the region of the communication data higher than the Layer 3 region is described by Session Initiation Protocol (SIP) and includes the Layer 3 address.

37-41. (canceled).

42. (previously presented) The address translating system according to claim 25, wherein the port number is described in a Transport layer as Layer 4.

43. (previously presented) The address translating system according to claim 25, wherein the port number is described by Transmission Control Protocol (TCP) as Layer 4.

44. (previously presented) The address translating system according to claim 25, wherein the port number is described by User Datagram Protocol (UDP) as Layer 4.

45. (previously presented) The address translating system according to claim 25, wherein the port number is an identifier indicating that the region of the communication data higher than the Layer 3 region is described by Session Initiation Protocol (SIP).

46. (canceled).